

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1886	(166/319,320,321,323,332.1,334.1,373,374).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/20 10:13
L2	2234	(137/624.27,494).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/20 10:13
L3	4104	1 or 2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/20 10:14
L4	859	3 and ((pressure and sleeve) near5 valve)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/20 10:14
L5	675	4 and ((move\$4 shift\$4 slid\$4) near3 sleeve)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/20 10:15
L6	56	5 and packer and screen	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/20 10:15
L7	6	("20010030049") or ("4420043").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/20 10:25
L8	50	4 and (gravel near4 pack\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/20 10:26

S1	3	("RE23842") or ("4306339").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/05/17 07:41
S2	2	("6722440") or ("6397949").PN.	USPAT; USOCR	OR	OFF	2004/05/13 07:19
S3	48	("0013415" "3749119" "3823773" "3845815" "3970147" "3993130" "0030049" "4383578" "4388968" "4420043" "4749044" "4940093" "4967845" "5137088" "5180007" "5180016" "5226494" "5413180" "5456322" "5609204" "5676208" "6220357" "6227298" "6446729").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/05/10 15:20
S4	10	("3749119" "3823773" "3845815" "3970147" "3993130" "4383578" "4749044" "4967845" "5609204" "5676208").PN.	USPAT	OR	ON	2004/05/10 15:37
S5	1575	(166/319,320,321,323,332.1,334.1,373,374).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/05/10 15:38
S6	1308	((166/319,320,321,323,332.1,334.1,373,374).CCLS.) and valve	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/05/10 15:38
S7	913	(((166/319,320,321,323,332.1,334.1,373,374).CCLS.) and valve) and ((open and closed) near4 (closure sleeve position lock))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/05/10 15:39
S8	62	(((166/319,320,321,323,332.1,334.1,373,374).CCLS.) and valve) and ((open and closed) near4 (closure sleeve position lock))) and (pressure near5 lock)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/05/13 07:13
S9	33	((((166/319,320,321,323,332.1,334.1,373,374).CCLS.) and valve) and ((open and closed) near4 (closure sleeve position lock))) and (pressure near5 lock)) and (shear snap)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/05/10 15:40
S10	31	((((((166/319,320,321,323,332.1,334.1,373,374).CCLS.) and valve) and ((open and closed) near4 (closure sleeve position lock))) and (pressure near5 lock)) and (shear snap)) and spring	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/05/10 15:40

S11	1350	(137/624.27,494).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/05/13 07:13
S12	5	((137/624.27,494).CCLS.) and valve and ((open and closed) near4 (closure sleeve position lock)) and (pressure near5 lock)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/05/13 07:14
S13	12	((137/624.27,494).CCLS.) and (wellbore (well adj bore))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/05/13 07:14
S14	22	(US-4940093-\$ or US-5137088-\$ or US-5180007-\$ or US-5180016-\$ or US-5226494-\$ or US-4420043-\$ or US-6446729-\$ or US-5240071-\$ or US-4388968-\$).did. or (US-20010030049-\$ or US-20010013415-\$).did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/05/13 07:19
S15	9	(US-4940093-\$ or US-5137088-\$ or US-5180007-\$ or US-5180016-\$ or US-5226494-\$ or US-4420043-\$ or US-6446729-\$ or US-5240071-\$ or US-4388968-\$).did. or (US-20010030049-\$ or US-20010013415-\$).did.	USPAT	OR	ON	2004/05/13 07:19
S16	17	("2545504" "2565731" "2626177" "2855943" "3024846" "3599713" "3831680" "4512406" "4651827" "4658902" "4691775" "4911242" "4957167" "5101904" "5109925" "5137088" "5156207").PN.	USPAT	OR	ON	2004/05/13 08:42
S17	0	"5240071".URPN.	USPAT	OR	ON	2004/05/13 08:44
S18	2	("5609204").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/05/13 15:21
S19	4	(("5456322") or ("6227298")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/05/17 07:40

S20	1886	(166/319,320,321,323,332.1,334.1, 373,374).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/16 10:18
S21	2234	(137/624.27,494).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/16 10:18
S22	4104	S20 or S21	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/16 10:18
S23	3045	S22 and valve	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/16 10:18
S24	2536	S23 and (conduit port opening)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/16 10:19
S25	596	S24 and (close near4 (conduit port opening))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/16 10:19
S26	1583	S24 and (clos\$4 near4 (conduit port opening))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/16 10:19
S27	9	S26 and (lock near4 clos\$4 near4 (conudit port opening))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/16 10:23

S28	44	S26 and (lock\$3 near4 clos\$4 near4 (conduit port opening))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/16 10:23
S29	47	S26 and (lock\$3 near4 clos\$4 near4 (conduit port opening))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/16 10:40
S30	38	S29 not S27	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/16 10:39
S31	99	S25 and (sliding near3 sleeve)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/16 10:39
S32	260	S26 and (sliding near3 sleeve)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/16 10:39
S33	24	S32 and ((lock\$3 near4 clos\$4) with (conduit port opening))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/16 10:41
S34	2	("5609204").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/16 16:12